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UMI的/sign：应用即将上线，证据尚未到位

Heather Grizzle · October 7, 2026

UMI 的 */sign* 功能将于*10*月*15*日向测试人员开放，并以无人工介入的方式提供给医院使用。其自身的代码显示翻译模型尚未上线。

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一款手语应用将于下周向测试者开放,而它自己的代码却称翻译模型尚未上线

摘要

- UMI's /sign, a two-way app between Deaf and hearing people, opens a TestFlight beta on October 15 and launches on the App Store on November 15. UMI markets it to hospitals, with "no human in the loop."
- UMI's own public repository says the translation models are not yet live on the network meant to produce them, and lists consented data supply and evaluation metrics as unfinished.
- 文中提到的唯一衡量标准是针对英文文本的字符错误率和词错误率。没有任何聋人审阅者、数据贡献者或顾问被提及姓名,也没有链接任何隐私政策。
- UMI公开其代码和开放的测试流程值得肯定。NCG已向该公司提出七个问题,并将把其回答作为附录发布。

"A Deaf patient arrives at the ER." The sentence is not NCG's. It is the opening of a scenario on UMI's own website, on the page for /sign, an app that promises "real-time two-way communication between Deaf and hearing people" through an ordinary phone camera. On the same page, under a heading for hospitals, clinics and practices, UMI invites providers to "Bring /sign to your patients as an early clinical site." Asked whether a person is involved anywhere in the exchange, the page answers plainly: "No. The conversation is fully automated, both directions, with no human in the loop."

Picture what that means in the room. A Deaf patient, frightened and in pain, signs about her symptoms to a phone propped on a counter. The phone speaks English to a nurse who does not sign. The nurse answers aloud, and the phone renders the answer back as captions and signing. If the app gets the dosage, the allergy or the timing of the chest pain wrong, nobody in that loop is fluent enough to notice. That scene is an illustration, not a reported event, and NCG knows of no case in which it has happened. It is built from UMI's own words.

UMI announced /sign on October 2, 2026. Its TestFlight beta opens on October 15, and the App Store launch is set for November 15. NCG is publishing this analysis now, before the beta opens, rather than after, because the decisions it bears on are being made this month. NCG has put seven questions to UMI in writing, with a deadline of 5:00 p.m. Pacific time on October 14. UMI's answers will be published in full as an

addendum to this piece. Nothing here alleges misconduct, offers any view on investment, or constitutes legal advice.

一家与众不同的公司

UMI, which styles itself umi inc., is unlike the other providers NCG has reviewed. Signapse and Kara Technologies build their systems in-house and sell them to institutions. UMI builds its translation models through a decentralized network, Bittensor Subnet 78, in which outside teams, called miners, submit models and automated validators score them. Co-founder and Head of AI Koyuki Nakamori, formerly head of AI at the OpenTensor Foundation behind Bittensor, describes it in the launch announcement as "a King of the Hill dynamic: the best models rise, and every score is public." The company's home page also links to a Coinbase price page for a UMI token. NCG offers no view on the token. It notes the structure because a network that pays for models by automated score, and a company whose public materials point to a traded asset, both create incentives a buyer will want to see balanced by someone with the authority to say a model is not good enough to release.

代码说出了真相,而这正是问题所在

The most useful document UMI has published is not its marketing. It is the README of its public code repository, which is unusually honest. "SN78 is active on mainnet," it says, "but UMI translation weights are not." In plain terms, the network meant to produce and rank /sign's translation models is running, but no translation models are live on it yet. The README lists what is still open, including "consented challenge supply," "metric and canary studies" and "validator economics." The /sign page agrees: "The gesture-recognition layer that completes the loop is the layer we are training now and preparing to launch," and "Verified benchmarks will be published in the technology whitepaper as the pipeline is built." The page's speed figure, "under three seconds end-to-end," is described as a "design target."

That candor deserves credit. Few companies in this market publish a list of what they have not finished, and most would not have let a sentence like "translation weights are not" active stand in public a week before launch. But read alongside the calendar, the candor is the story. On the company's own account, the translation layer is still being trained, the consent arrangements for its data are not in place, and the way it will



measure accuracy has not been settled, while the app opens to testers on October 15 and is offered to hospitals now.

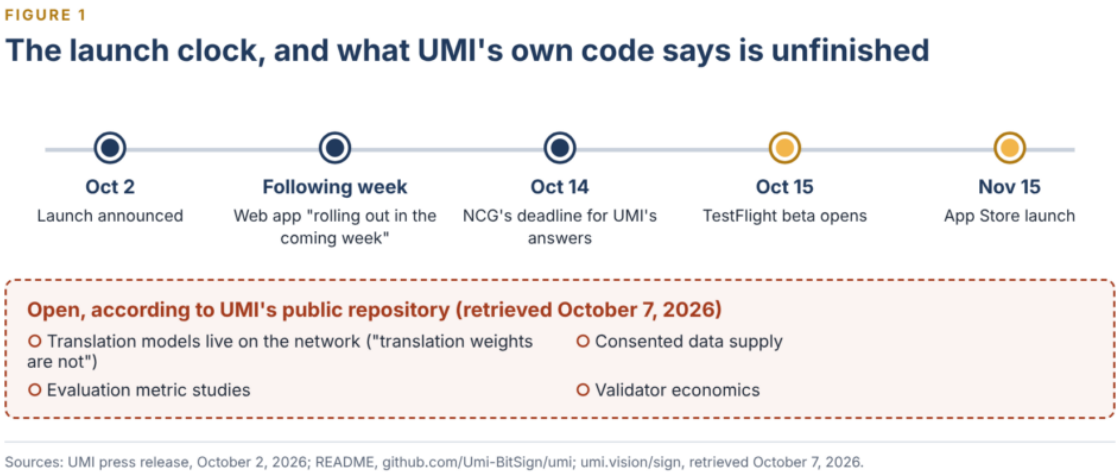


图1. 发布时间线,与UMI自己仓库中列出的未完成事项并列对照。

谁的双手,又是在什么条件下

Every sign language model is built from people signing. UMI's public materials say little about who those people are. The home page refers to datasets "generated through its products and research" and to "permissioned, validated and appropriately governed data." The repository refers to "public and revealed batch material" and to the unfinished "consented challenge supply." The only dataset NCG found named anywhere is on UMI's SignLab page, a nine-clip, 101.5-second inspection set that the page itself says is "not a measure of training scale," where one clip is credited to "FLEURS-ASL / Google."

The /sign page says the product is "Built with the Deaf community, not around it," and refers to "paid contribution work, a genuine voice and a real partnership." Those are the right words. What sits behind them is not public: who the signers in the training and evaluation data are, what they agreed to, what "paid contribution work" pays and on what terms, and whether a signer who changes her mind can take her recordings back. On a decentralized network, where models are trained and scored by teams outside the company, the last question is harder than usual, and it deserves a written answer before anyone signs into an app built on those hands.

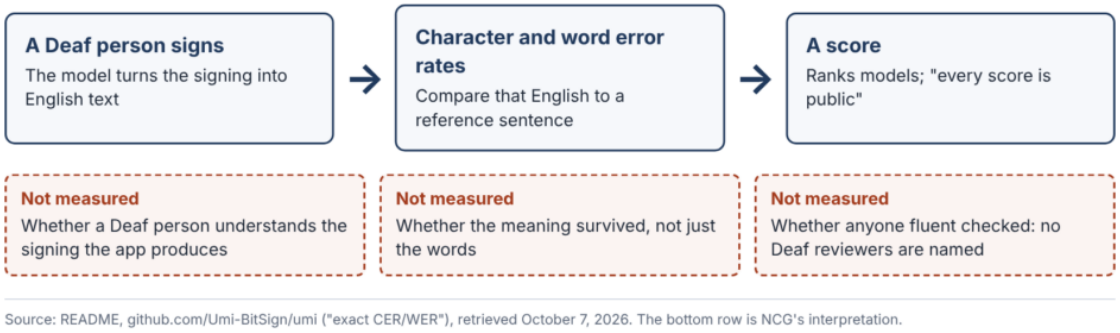
评分能看见什么

UMI's promise that "every score is public" sounds like accountability, and in one sense it is. The question is what the score measures. The only measures the repository names are "exact CER/WER," character and word error rates. Both compare the English text a model produces against a reference sentence. They can tell you whether a model wrote "chest" where the reference said "chest." They cannot tell you whether a Deaf person understood the signing the app produced in reply, whether the meaning of a signed sentence survived when the words did, or whether a model that scores well on clean reference video holds up on a frightened patient signing fast in bad light.

Those are the things that matter in an emergency room, and they can only be judged by people fluent in the language. No public UMI material mentions Deaf reviewers, native signers or human evaluation of any kind, and the "defined benchmarks" the launch announcement says validators score against are not named. A public leaderboard of error rates, however transparent, is a measure of the text. It is not yet a measure of communication.

FIGURE 2

What an error-rate score can see, and what it cannot



Source: README, github.com/Umi-BitSign/umi ("exact CER/WER"), retrieved October 7, 2026. The bottom row is NCG's interpretation.

图2. 错误率评分能看见什么,又看不见什么。底部一行是NCG的解读。

急诊室的问题

UMI says, in its launch announcement, that /sign is "not as a replacement for qualified interpreters where one is required or appropriate," and on the /sign page that it is "built for the everyday and on-demand moments where no interpreter is available" and "expands access rather than removing the certified interpreter where

one is required." That is the right line to draw. The difficulty is that the same page draws the emergency room inside it, and describes the product as "built to support effective-communication obligations under the ADA and Section 1557."

An emergency room is exactly the place where an interpreter is most likely to be required and least likely to be immediately available, which is why a fully automated tool will be tempting there. UMI's pages do not say who decides, in that room, that an interpreter "is required." They do not say what happens when the translation is wrong, who is responsible for the error, or how a Deaf patient reports it. Whether a fully automated system can meet a hospital's legal duty of effective communication is a question for lawyers and regulators, and nothing here answers it. But a hospital considering /sign should not let the software, or the vendor's marketing, make that call.

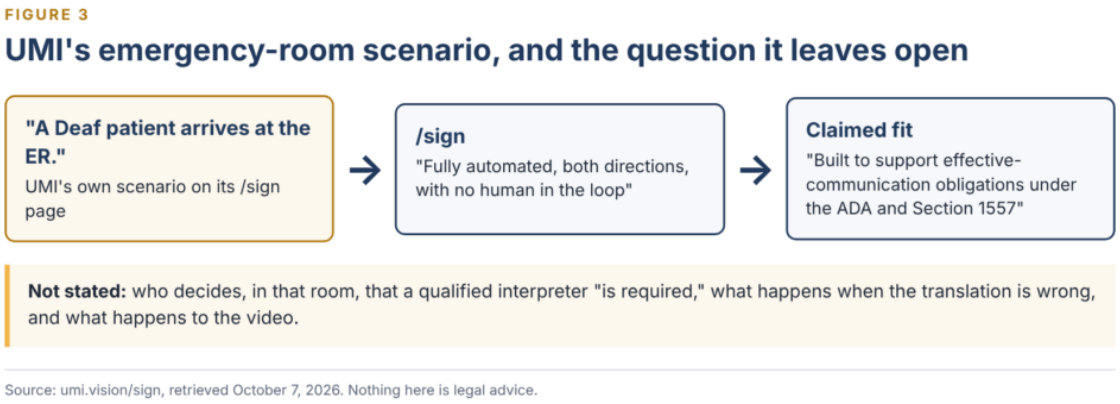


图3. UMI的急诊室场景设想,及其留下的悬而未决的问题。

没有政策的隐私承诺

The /sign page describes the product as "Architected to support HIPAA and GDPR-grade privacy," running "over end-to-end encrypted streams." NCG could not find a privacy policy, terms of service or data retention statement linked anywhere on umi.vision, and nothing says whether UMI will sign the business associate agreements HIPAA requires of vendors handling patient information. The repository says its public observer feeds never expose "raw video or private consent data." What it does not say is whether video of the people using /sign, Deaf patients included, is kept, for how long, where, whether it trains anything, and whether any of it reaches

the miners and validators on a network that is open by design. "Architected to support" is a statement about intent. A hospital needs a contract.

权威架构仍在形成中

The /sign page carries the heading "Advisory board forming" and says: "We are assembling clinical, accessibility and community advisors, and we'll name them here as they join." The leadership page names three people: Michael Parker, co-founder and chief executive; Ms. Nakamori; and a pseudonymous lead development partner. None is identified as Deaf, as a fluent signer or as an interpreter. That is an absence of information, not a finding about any person, and it may change as the board forms. For now, nothing public describes a Deaf role at UMI with the authority to require a change to a model, or to stop one from shipping.

这正是NCG向其审视过的每一家提供商都提出的问题。Signapse在九月告诉NCG,在其经过审核的产品发布之前,每一项翻译都会经过聋人母语手语使用者的签字确认,不过该公司并未就其实时输出做出同样的说明。UMI则处于更早的阶段:它正在向公众和医院推出产品,却尚未指定任何一位对网络发布内容拥有发言权的聋人。



图4. UMI已公开记录的内容,以及尚未公开的内容。

买家应当提出的问题

考虑使用/sign的买家,尤其是医院或诊所,在使用前应索要以下四项内容:

- Measured accuracy for the exact model it will receive, from an evaluation that includes Deaf native signers judging both directions, published or supplied before deployment.
- The data and consent record behind the training and evaluation sets: what was used, under what license, who signed, on what terms, and how a signer withdraws.
- A privacy policy, terms of service, a retention rule for video, a statement of what reaches miners or validators, and a signed business associate agreement.
- A written rule for when a qualified interpreter must be called, with that decision resting with the clinician and the Deaf patient, not with the software.

向UMI提出的问题

NCG sent UMI seven questions with a pre-publication record. In short: what model testers will receive on October 15 and how accurate it is; which datasets train and evaluate it, who the signers are, and what they were paid and agreed to; what the validators' benchmarks are and whether Deaf native signers will judge comprehension before November 15; under what conditions /sign will be used in clinical settings and who decides an interpreter is required; whether video is retained, used for training or exposed to the network, and whether UMI will sign business associate agreements; who will sit on the advisory board and whether any Deaf role can halt a release; and how users report errors and who is responsible for them. The deadline is 5:00 p.m. Pacific time on October 14, 2026. UMI's answers will be published in full as an addendum to this piece, and any correction of fact will be made here.

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- NCG, "Signapse: A Stop Right, Stated for One Product," October 7, 2026.

TIPS

Know something about a sign language AI system that the public should know? Send it to tips@novaracg.com. Every tip is read by me and kept confidential. If you work in the UK, writing to us is not by itself a protected disclosure under the Public Interest Disclosure Act 1998, so before you share employer information, check your options with Protect (protect-advice.org.uk), the free whistleblowing advice line.

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